

Applic. No. 10/075,670
Amdt. dated June 23, 2006
Reply to Office action of March 23, 2006

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Claim Amendments

This listing of the claims will replace all prior versions,
and listings, of claims in the application:

Claim 1 (currently amended): A raster generation system for a
printing machine with an image-setting unit, comprising:

at least one raster processor for generating raster data from
raw image data; and

a memory for storing the raster data while the raster data are
being generated by the raster processor, said memory formed by
a raster memory with random access;

said raster processor storing the raster data column by column
in said raster memory while the raster data are being
generated.

Claim 2 (original): The raster generation system according to
claim 1, comprising a first plug-in interface board, said
raster memory and said raster processor disposed on said first
plug-in interface board.

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Claim 3 (original): The raster generation system according to
claim 2, comprising:

an image-setting unit; and

a DMA controller for controlling a transfer of the raster data
from said raster memory to said image-setting unit.

Claim 4 (original): The raster generation system according to
claim 1, comprising:

an image-setting unit; and

a DMA controller for controlling a transfer of the raster data
from said raster memory to said image-setting unit.

Claim 5 (original): The raster generation system according to
claim 4, comprising:

a buffer memory;

said DMA controller providing an output;

said buffer memory buffering said output of said DMA
controller.

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Claim 6 (original): The raster generation system according to claim 4, comprising a second plug-in interface board, said DMA controller and said buffer memory disposed on said second plug-in interface board.

Claim 7 (currently amended): A method of processing raster data for an image-setting unit of a printing machine, which comprises:

generating raster data line by line from raw image data;

storing the raster data column by column in a raster memory with random access while being generated by a raster processor; and

reading out the raster data column by column into an image-setting unit.

Claim 8 (original): The method according to claim 7, which comprises:

using a DMA controller to control the step of reading out the raster data; and

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buffering the raster data that has been read out in a buffer
memory.

Claim 9 (previously presented): The raster generation system
according to claim 1, wherein the raster data are generated
line by line from the raw image data